

# TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104  
Phone No. (512) 322-2212 Fax No. (512) 463-6693

## PRODUCT EVALUATION

DR-646

Effective Date: October 1, 2013

Reevaluation Date: **May 2016**

The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

**Windquest V707 Vinyl Sliding Glass Doors, Impact Resistant**, manufactured by

**Kolbe & Kolbe Millwork Co., Inc.**  
**1323 South Eleventh Avenue**  
**Wausau, Wisconsin 54401**  
**Telephone: (715) 842-5666**

### General Description:

System	Description	Label Rating	Design Pressure Rating (psf)	HallMark Certification
1	Windquest V707 Vinyl Sliding Glass Door	R-PG50 71.125 x 96- SD Missile Level D	+50/-50	416-H-1015.00 416-H-1015.01 416-H-1015.02 416-H-1015.03 416-H-1015.04 416-H-1015.05 416-H-1015.06 416-H-1015.07 416-H-1015.08 416-H-1015.09 416-H-1015.10

### Product Dimensions:

System	Overall Size	Panel Size
1	71.13" x 96.00"	Two: 37.00" x 92.75"

### Product Identification (Certification Agency Label on Door):

System		
1	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Kolbe & Kolbe Millwork, Co., Inc.
	Product Name	Windquest V707 Sliding Glass Door
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E 1886; ASTM E 1996 Missile Level D

**Impact Resistance:**

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the <b>Inland I</b> and <b>Seaward zone</b> . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

**Installation (One of the Following):**

**Strap Installation:** The wood wall framing members shall be minimum Southern Yellow Pine dimension lumber. The door shall be mounted to the wood wall framing members using galvanized steel straps (4.201" x 1.000" x 0.059"). The straps are snap-fit into the door frame. Each strap is secured to the wall framing with one (1) minimum No. 8 screw. The straps shall be located approximately 4 inches from each corner and approximately 8 inches on center along the head, sill, and side jambs. The fasteners shall be long enough to penetrate a minimum of 1 ½" into the wall framing members.

**Frame Installation:** The wood wall framing members shall be minimum Southern Yellow Pine dimension lumber. The door shall be mounted to the wood wall framing members using the frame of the door with minimum No. 10 screws. The fasteners shall be located approximately 5 inches from each corner and approximately 12 inches on center along the head, sill, and side jambs within the interior track of the frame member. The fasteners shall be long enough to penetrate a minimum of 1 ½" into the wall framing members.

**Note:** The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.